17"/19" LCD Monitor

User Manual

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PRECAUTIONS

Information for users applicable in European Union countries

The symbol on the product or its packaging signifies that this product has to be disposed separately from ordinary household wastes at its end of life. Please kindly be aware that this is your responsibility to dispose electronic equipment at recycling centers so as to help conserve natural resources. Each country in the European Union should have its collection centers for electrical and electronic equipment recycling. For information about your recycling drop off area, please contact your local related electrical and electronic equipment waste management authority or the retailer where you bought the product.

Information for users applicable in United States of America

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LAMP(S) INSIDE THIS PRODUCT CONTAIN MERCURY AND MUST BE RECYCLED OR DISPOSED OF ACCORDING TO LOCAL, STATE OR FEDERAL LAWS. FOR MORE INFORMATION, CONTACT THE ELECTRONIC INDUSTRIES ALLIANCE AT WWW.EIAE.ORG. FOR LAMP SPECIFIC DISPOSAL INFORMATION CHECK WWW.LAMPRECYCLE.ORG.

Installation

1. Do not cover or block the ventilation ports on the rear of the monitor.
2. Do not install the monitor close to heat sources such as radiators or air ducts, or in a location exposed to direct sunlight, excessive dust, mechanical vibration,or shock.
3. The apparatus shall only be used between 5° tilted forward and 20° tilted backward as normal operation position. If the tilt angle exceeds 20°, it shall be used for wall mounting or packaging only.

Power connection

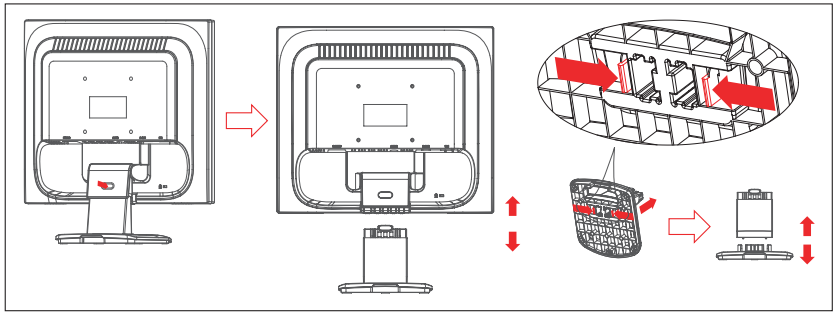
1. Use the correct power cord for your local voltage.
2. Use an accessible outlet close to the monitor.
3. Do not allow anything to rest on the power cable.
4. Only use the power adapter attached to the monitor.
5. Disconnect the power cable from the power supply if:
   5.1 You will not use the monitor for an extended period.
   5.2 The cable is damaged or frayed.
   5.3 The monitor has been dropped or the cabinet damaged.
   5.4 A distinct change in performance indicates a need for servicing.

Maintenance

1. Clean the cabinet and controls with a soft cloth lightly moistened with a mild detergent solution. Do not use any abrasive materials or solvents such as alcohol or benzene.
2. Do not rub, touch, or tap the surface of the screen with sharp or abrasive items such as pens or screwdrivers, as the screen may scratch.
3. Do not insert objects or spill liquids into the ventilation ports on the monitor's rear, as fire, electric shock, and / or unit failure may result.

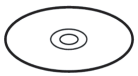
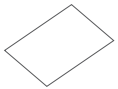
Transporting the monitor

1. When carrying the display for repair or servicing, please first disassemble the monitor and pack in its original packing. To disassemble the neck and base, please press the "release button" located on the back of the neck and detach the neck/base, then remove the base from the neck by pressing the "release tabs" located under the base plate and pull the neck off the base, finally use the original carton and packing materials to wrap the display and its accessories.



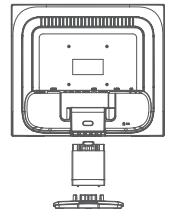
Package contents

Before beginning, ensure that the carton contains the following items:

	1. LCD Monitor
	2. Monitor Base and Neck (the shape of base may vary according to the monitor model)
	3. Power Cord (plug may vary according to the electrical standards for your area)
	4. Analog Signal Cable
	5. Digital Signal Cable (optional)
	6. Audio Cable (optional)
	7. CD-ROM (contains user manual)
	8. Quick Installation Guide

Monitor installation

1.Setting up the monitor

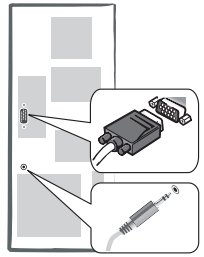


1.1 Take out the monitor, stand and monitor base from the package.

1.2 Place the monitor base on the desk and then slide the neck into the slots of base. (Make sure the direction of the neck is correct.)

1.3 Grasp the monitor with both hands and then slide the monitor into the neck. (Make sure the direction of the neck is correct)

2.Connecting signal cable



2.1 Switch off your computer.

2.2 Connect the signal cable to the D-SUB or DVI port at the rear of the monitor and tighten the connector screws

2.3 Connect the other end of signal cable to the computer's VGA port or DVI port and tighten the connector screws.

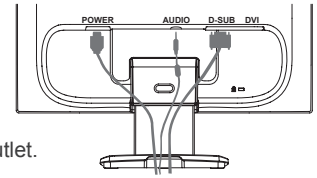
2.4 Note: Ensure the display setting does not exceed 1280x1024, 75Hz.

3.Connecting audio cable (with audio option)

3.1 Plug the audio cable into the AUDIO port at the rear of the monitor.

3.2 Plug the other end of the audio cable into the audio port of your computer or other audio source.

4.Connecting power



4.1 Plug the female end of the power cord into the POWER port at the rear of the monitor.

4.2 Plug the male end of the power cord into a power outlet.

5.Switching on

5.1 Switch on your computer.

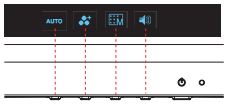
You should now be able to see the picture. If not , refer to the trouble shooting section of this guide.

Identifying parts and controls

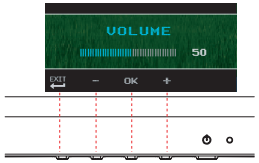
1.The LED light indicates the state of working. During operation, the LED Light is bright green. When dormant, the LED Light is orange.
2.The power button ⏻ is used to identify the state of power. You can use the power button to control on & off.
3.The function keys are used for adjusting all settings. When you need some adjustment, you can achieve the goals by pressing any of the function menus. Details for all the function menus are subsequently described.

Working with OSD Group

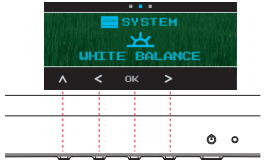
You will find that the OSD is very easy to use. You can identify the function of a button through the corresponding icon displayed on the pop-up window of OSD. Now there are 3 pictures, which show that a button represents different functions in different levels of the architecture.



First Level



Second Level



Third Level

1. Press ⏻ button to start.
2. Press any of the rest 4 buttons to activate the OSD menu.
3. Press the corresponding function icon button on the pop-up window of the OSD.

Customizing your Monitor

The On Screen Display (OSD) system provides a full range of customizable tools to optimize your display.

Important:	Although you could perform comprehensive customization, we strongly recommend that you use the “AUTO ADJUSTMENT” function. It can utilize the default values to thoroughly optimize the performance of the display. Activate the OSD munu. Select the first button on the left AUTO to activate the “ATUO ADJUSTMENT” function.

Important:	In addition, we have also prepared other relatively simple methods to change the display modes. There are 4 modes, which include: GENERAL, MOVIE, PICTURE, GAME.

Hotkeys Introduction

1.Auto Adjustment

When the OSD functions are displayed, press the first button on the left AUTO , and then you can automatically optimize the image performance.

2.Volumn Control (with audio option)

When the OSD functions are displayed, press the first button on the right to enter the " Volume " menu. Then press ⊕ or ⊖ to adjust the volume of sound.

Press EXIT or OK to end.

3.Theme Mode Menu

When the OSD functions are displayed, press the second button on the left to shift the mode. You may press < and > to make adjustments between 4 modes.

Press EXIT, and then you can leave automatically.

4.Main Menu

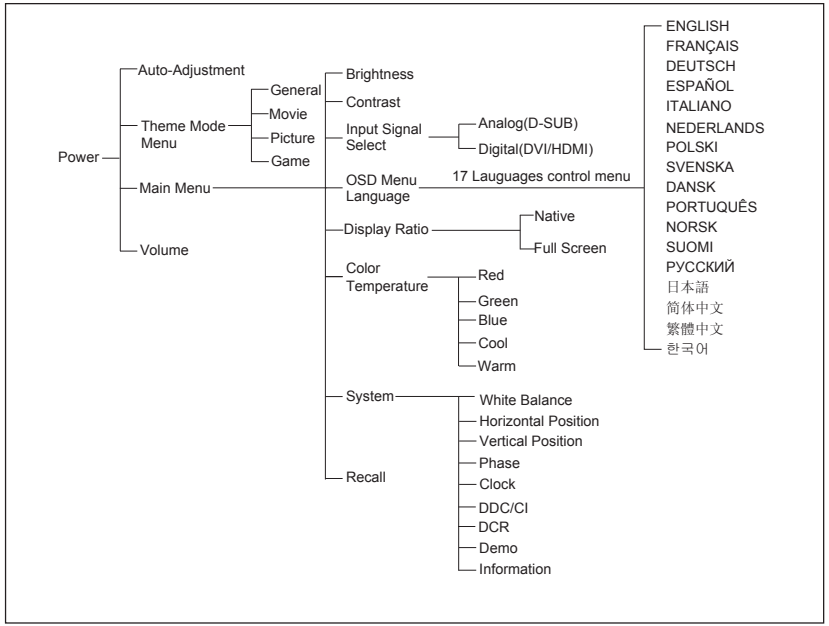
When the OSD functions are displayed, press the second button on the right to enter the main menu. And then press < or > to select the option.

Press OK to enter into the option. Press ∧ or EXIT to leave.

Function Keys Operation

According to the tree-like directory, you can discover the whole OSD system is like a map. This tree-like directory can help you to become aware of the whole system. During the whole process, you need to know the following actions.

1. Activate the OSD main menu: Under the energized condition, press any function key to execute the function.
2. Confirm the selection: Press the OK button.
3. Browse the previous or next option: Press < and > .
4. Adjust the option value: Press ⊕ and ⊖ to adjust the value.
5. Return to the higher level menu. Press ∧ to return to the higher level.
6. Exit: Press EXIT to exit OSD menu; Or if you do not press any button, it will automatically disappear after 30 seconds.



OSD Icon List

Icon	Functions	Detail
	AUTO ADJUSTMENT	* Optimize the picture performance automatically.
	THEME MODE	* Activate the built-in color engine to enhance the graphic effects according to the different situations of the display. contents
	BRIGHTNESS	* Adjust the luminance level of the screen.
	CONTRAST	* Adjust the contrast level of the screen.
	INPUT SIGNAL SELECT	* Select the input signal from Analog, or Digital Inputs (Optional).
	OSD MENU LANGUAGE	* Select your own preference of language of OSD menu.
	COLOR TEMPERATURE	* Select the setting of screen color-Cool, Warm or User. * Cool: Select the setting of screen color to be bluish white. * Warm: Select the setting of screen color to be reddish white.
	SYSTEM	* Adjust the mechanical specifications regarding the display.(Power Saving Mode, White Balance, Clock, Phase, Horizontal Position, Vertical Position, Information)
	FULLSCREEN	* Full Screen: adjust and enlarge the display screen to full screen size.
	NATIVE SCREEN	* Display equality screen according to the original ratio.

Icon	Functions	Detail
	WHITE BALANCE	* Adjust the balance of the input signal.
	HORIZONTAL POSITION	* Shift the screen left or right
	VERTICAL POSITION	* Shift the screen up or down
	PHASE	* Adjust the monitor internal signal phase
	CLOCK	* Adjust the monitor internal sampling clock rate
	DDC/CI	* Select turn on or turn off DDC/CI function
	DEMO	* 2 seconds after activation of this function, some of the menus will stimulate feature-grading effects 2 times over.
	INFORMATION	* Show the frequency, resolution, input interface and other operating details about this display.
	RECALL	* Reset monitor parameters back to factory preset values.
	DISPLAY RATIO	* Select the display ratio from Native, and Full Screen
	DYNAMIC CONTRAST RATIO(OPTIONAL)	* Display high dynamic contrast ratio, and present more colorful screen.

Troubleshooting

Symptom	Check Items
1.No picture 2.LED indicator is not lit.	1. Check if the monitor is turned on (press the button ⏻ again). 2. Check if the power cord is properly connected to the monitor and power outlet. 3 .Check if there is electricity coming from the power outlet (use another device to check for power).
1.No picture 2.LED indicator is orange	1 Check if your computer is turned on. 2 Ensure the computer is not in power saving mode (move the mouse or press a key on the keyboard to wake up the computer). 3 Check if the video signal cable is properly connected to the monitor and computer.
1.Picture shows “ NO SIGNAL INPUT ”	1 Check if your computer is turned on. 2 Check if the video signal cable is properly connected to the monitor and computer.
1.Picture shows “ INPUT SIGNAL OUT OF RANGE ”	1. Ensure that the resolution and/or refresh rate is set correctly.

Important	Make sure your display setup is under SXGA1280x1024@75Hz

Technical Features and Specifications

Item			Description
Panel	Display Size	19"	376(H)x301(V)mm
		17"	337.9(H)x270.3(V)mm
	Pixel Pitch	19"	0.294(H)x0.294(V)mm
		17"	0.264(H)x0.264(V)mm
Connector	Analog		D-sub
	Digital		DVI-D(Optional)
Tilt	Tilt Angle		-5°~20°
Dimensions (W x H x D)	Net	19"	About 400(W)x420(H)x187(D)mm
		17"	About 365(W)x387(H)x169(D)mm
Weight	Net	19"	About 3.7kg
		17"	About 3.6kg
Power	AC		AC 100~240V,50Hz/60Hz,1.2A
	Consumption		Active:<42W/Standby:<2W
Operating Condition	Temperature		5°C to 40°C
	Humidity		20% to 80% (No Condensation)
	Altitude		Under 10,000 fts
Storage Condition	Temperature		-20°C to 60°C
	Humidity		5% to 80% (No Condensation)
	Altitude		Under 40,000 fts

Interface Frequency

1. The following frequency range is the working period. If the entered mode between below period but not match the frequency of supported timing, display optimization would not be assured. If the entered mode is out of the working period, the display will be blanking (just show “INPUT SIGNAL OUT OF RANGE”) then go to power saving.
2. Basically, mode judgment is regardless the sync polarity except both or more modes that are all belong to the supported timing list and could be judged by sync polarity only.
3. In the meantime, real entered frequency of the supported timing is not requested exactly.
4. Normalization of VGA card’ s deviation will be acceptable.
5. Horizontal Frequency 30 ~ 82KHz
6. Vertical Frequency 56 ~ 76Hz

FCC compliance

1.This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

2.NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation, If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

3.Reorient or relocate the receiving antenna.

4.Increase the separation between the equipment and receiver.

5.Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

6.Consult the dealer or an experienced radio/TV technician for help.

WARNING:	Any unauthorized modification to this equipment could result in the revocation of the authorization to operate the equipment and void the product warranty.